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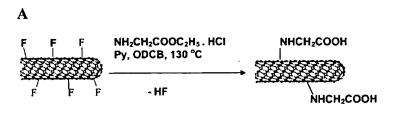
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(54) Title: NANOTUBE-AMINO ACIDS AND METHODS FOR PREPARING SAME



"Glycine-nanotubes"

B

F F F NH₂CH(CH₂SH)COOH ODCB, Py, 100 °C

-HF NHCH(CH₂SH)COOH
NHCH(CH₂SH)COOH

"Cysteine-nanotubes"

(57) Abstract: The present invention is directed toward compositions comprising carbon nanotubes (CNTs) that are sidewall-functionalized with amino acid groups, and to amino acid compositions comprising carbon nanotubes. The present invention is also directed to simple and relatively inexpensive methods for the preparation of such compositions. Such compositions are expected to greatly extend the bio-medical applications of CNTs.



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